Appl. No. 09/840,743 Amdt. dated March 18, 2004 Amendment under 37 CFR 1.116 Expedited Procedure Examining Group

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-33. (Canceled)

34. (New) A method of modulating development in a plant, the method comprising:

introducing into a plant an expression cassette comprising a promoter operably linked to a DMT polynucleotide, or a complement thereof, encoding a polypeptide at least 80% identical to SEQ ID NO:2, wherein the modulated development comprises:

- (a) modulation of organ identity;
- (b) modulation of organ number;
- (c) modulation of meristem size;
- (d) a delay in flowering;
- (e) modulation of methylation of chromosomal DNA in the plant; or
- (f) modulation of expression of the MEDEA gene of the plant.
- 35. (New) The method of claim 34, wherein the polypeptide comprises SEQ ID NO: 2.
- 36. (New) The method of claim 34, wherein the polynucleotide sequence comprises SEQ ID NO:5.
- 37. (New) The method of claim 34, wherein the polynucleotide sequence comprises SEQ ID NO:1.
- 38. (New) The method of claim 34, wherein the promoter is a constitutive promoter.

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- 39. (New) The method of claim 34, wherein the promoter is a tissue-specific promoter.
 - 40. (New) The method of claim 34, wherein organ identity is modulated.
 - 41. (New) The method of claim 34, wherein organ number is modulated.
 - 42. (New) The method of claim 34, wherein meristem size is modulated.
- 43. (New) The method of claim 34, wherein the delay in flowering is increased by expressing the polypeptide in the plant.
- 44. (New) The method of claim 34, wherein methylation of chromosomal DNA in the plant is modulated.
- 45. (New) The method of claim 34, wherein expression of the MEDEA gene of the plant is modulated.
- 46. (New) The method of claim 34, wherein introduction of the expression cassette results in decreased endogenous expression of a DMT polynucleotide in the plant.